

1 Attorney Docket No. 82856

2
3 FREE ROTATING INTEGRATED MOTOR PROPULSOR

4
5 ABSTRACT OF THE DISCLOSURE

6 An integrated motor propulsor includes a rotor which a
7 plurality of rotor blades adapted to rotate about a center axis.
8 An outer ring surrounding the rotor contacts one of the rotor
9 blades and has a field means positioned on the outer ring. A
10 duct is in low friction contact circumferentially outside the
11 outer ring. A stator is positioned in the duct to interact with
12 the field means. The duct also has a plurality of pitch control
13 apparatuses pivotally joined to outboard blades which extend
14 radially outward from the duct.